



5-13-04

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PTO/SB/21 (08-00)

Approved for use through 10/31/2002

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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TRANSMITTAL FORM		Application Number	
(to be used for all correspondence after initial filing)		10/003,490	
		Filing Date	
		November 1, 2001	
		First Named Inventor	
		Francois Serge Nicolas	
Group Art Unit		2882	
Examiner Name		C. Thomas	
Attorney Docket Number		15-XZ-5547 (12732US01)	
Total Number of Pages in This Submission		X 8	
ENCLOSURES (check all that apply)			
<input checked="" type="checkbox"/> Fee Transmittal Form		<input type="checkbox"/> Assignment Papers (for an Application)	
<input type="checkbox"/> Fee Attached		<input type="checkbox"/> Drawing(s) (sheets)	
<input type="checkbox"/> Amendment/Reply		<input type="checkbox"/> Licensing-related Papers	
<input type="checkbox"/> After Final		<input type="checkbox"/> Petition	
<input type="checkbox"/> Affidavits/declaration(s)		<input type="checkbox"/> Petition to Convert to a Provisional Application	
<input type="checkbox"/> Extension of Time Request		<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	
<input type="checkbox"/> Express Abandonment Request		<input type="checkbox"/> Terminal Disclaimer	
<input checked="" type="checkbox"/> Information Disclosure Statement		<input type="checkbox"/> Request for Refund	
<input checked="" type="checkbox"/> PTO 1449/08A with 4 references		<input type="checkbox"/> CD Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)			
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application			
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53			
Remarks			
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm or Individual Name	McAndrews Held & Malloy, Ltd.		
Name (Print/type)	Christopher R. Carroll	Registration No. (Attorney/Agent)	52,700
Signature	<i>Christopher R. Carroll</i>		Date: May 11, 2004
EXPRESS MAIL DEPOSIT			
"Express Mail" mailing label number : EL 929181547 US			
Date of Deposit May 11, 2004.			



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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180

Complete if Known

Application Number	10/003,490
Filing Date	November 1, 2001
First Named Inventor	Francois Serge Nicolas
Examiner Name	C. Thomas
Art Unit	2882
Attorney Docket No.	15-XZ-5547 (12732US01)

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money ☐ Other ☐ None
Order

☒ Deposit Account:

Deposit
Account
Number

070845

Deposit
Account
Name

GTC

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments
☐ Charge any additional fee(s) during the pendency of this application
☐ Charge fee(s) indicated below, except for the filing fee
to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1)					(\$) 0

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims		-20 **	=	Extra Claims	X	Fee from below	=	Fee Paid
Independent Claims		-3 **	=	0	X		=	0
Multiple Dependent					X		=	0

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	180.00
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 180

SUBMITTED BY

Complete (if applicable)

Name (Print/Type)	Christopher R. Carroll	Registration No. (Attorney/Agent)	52,700	Telephone	312/775-8000
Signature	Christopher R. Carroll	Date	May 11, 2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of:

Francois Serge Nicolas

Application No.: 10/003,490

Filed: November 1, 2001

For: Low-Dose Exposure Aided
Positioning (LEAP) for Digital
Radiography

Examiner: Courtney D. Thomas

Group Art Unit: 2882

Attorney Docket No.: 15-XZ-5547
(12732US01)

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this document is being deposited with the United States Postal Service on May 11, 2004, in an envelope addressed to Mail Stop: Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service under Mailing Label No. EL 929181547 US.

Christopher R. Canoll
Signature

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop: Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Examiner Thomas:

Pursuant to 37 C.F.R. § 1.56, it is respectfully requested that the following
reference(s) be considered in the examination of the above-identified patent application:

A1	6,366,638	04/02/2002	Hsieh et al.
B1	EP 0 761 166	03/12/1997	Stein et al.
B2	DE 196 28 675	01/29/98	Seimens AG
B3	WO 01/40754	06/07/2001	Dinten et al.
B4	WO 01/26132	04/12/2001	Smith et al.

05/14/2004 SSITHIB1 00000105 070845 10003490

01 FC:1806 180.00 DA

Application No. 10/003,490
Attorney Docket No. 15-XZ-5547 (12732US01)

The above-identified references are listed on the attached PTO Form 1449. Copies of references B1, B2, B3 and B4 are enclosed. In addition, an English translation of the abstract of reference B2 is attached. The translation was obtained from the European Patent Office webpage Espacenet (<http://ep.espacenet.com>).

Hsieh, U.S. Patent No. 6,366,638, discloses methods and apparatus for CT scout image processing. Specifically, Hsieh describes generating scout images by obtaining a plurality of projection views of an object, modifying the projection data, generating horizontal and vertical gradients based on modified projection data, applying helical weights to the horizontal and vertical gradients, and applying a desired level of enhancement to the weighted horizontal and vertical gradients.

Stein, EP 0 761 166, discloses an x-ray bone densitometry system. Specifically, Stein describes a system including a table, an x-ray source and detector, a processor configured to extract and store single and dual energy image data from dual energy scan data, and a display.

Seimens AG, DE 196 28 675, discloses a method for increasing the signal-to-noise ratio of a solid state image sensor to which X-ray radiation is applied, with selectable individual pixel access. The pixel signals are read out and stored in an image memory for further processing. During the illumination process the pixel signals of at least part of the image sensor pixels are read out by resetting the pixel charge memory in the frame of a first scanning and are out into the image memory. The signals held in the

Application No. 10/003,490
Attorney Docket No. 15-XZ-5547 (12732US01)

memory are combined with further pixel individual signals read out after the illumination to generate a summed image.

Dinten, WO 01/40754, discloses a method for improving a radiological examination and device. Specifically, Dinten describes a method including producing a radiosopic plate of the zone of a body to be examined and using the plate for determining first characteristic points.

Smith, WO 01/26132, discloses digital flat panel x-ray detector positioning in diagnostic radiology. Specifically, Smith describes a digital, flat panel, two-dimensional x-ray detector that is able to move to a variety of positions.

This submission is in no way intended as an admission that the above-cited references constitute prior art under any subsection of 35 U.S.C. § 102. Applicant expressly retains the right to take any actions necessary to remove the above-cited references from the available prior art.

Each of the above references was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

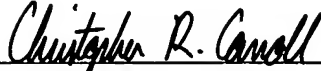
With regard to the references, the Applicant respectfully submits that the references do not, alone or in combination, render any of the currently allowed claims invalid.

Please charge any fees due in connection with this statement to the deposit account of GTC, Account No. 070845.

Application No. 10/003,490
Attorney Docket No. 15-XZ-5547 (12732US01)

Respectfully submitted,

Date: May 11, 2004



Christopher R. Carroll
Registration No. 52,700

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PTO/SB/08A (08-03)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/003,490
Filing Date	November 1, 2001
First Named Inventor	Francois Serge Nicolas
Group Art Unit	2882
Examiner Name	C. Thomas
Attorney Docket Number	15-XZ-5547 (12732US01)

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	6,366,638	04/02/2002	Hsieh et al.	
	A2				
	A3				
	A4				
	A5				
	A6				
	A7				
	A8				
	A9				
	A10				
	A11				
	A12				

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	B1	EP 0 761 166	03/12/1997	Stein et al.		
	B2	DE 196 28 675	01/29/98	Seimens AG		
	B3	WO 01/40754	06/07/2001	Dinten et al.		
	B4	WO 01/26132	04/12/2001	Smith et al.		

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published

EXAMINER
SIGNATURE

DATE CONSIDERED

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450 Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. Send TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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